

PHILIP MORRIS USA
RESEARCH AND DEVELOPMENT DEPARTMENT

ECUADOR TEST #32

BO6M-06DMC

DISTRIBUTION

Mr. H. Cullman	Mr. W. G. Longest ✓
Mr. H. Ganteaume	Mr. F. A. Lowman
Mr. R. R. Haldimann	Mr. C. E. Salguero
Mr. H. Kolbe	Mr. R. Taylor
Mr. W. G. Lloyd	

WRITTEN BY: R.A. Fermer

APPROVED BY: Jewell

DATE: September 17, 1976

2001054050

ECUADOR TEST #32

Baronet king size menthol cigarettes from Ecuador (Quito) were received at R & D and submitted for analyses on June 8, 1976. These cigarettes were of May, 1976 production.

The current sample of the Baronet king size cigarettes was smoked to a different butt length (27 mm) because of a change in tipping paper length (23 to 24 mm). The current sample was also different from the previous average in the following characteristics: nicotine, filter length, filter weight, total alkaloids, total reducing sugars, tobacco weight and rod density.

BARONET KING SIZE 20'S
MENTHOL (SOFT PACK)

	<u>Current</u>	<u>Prev. Avg.</u>
<u>Smoke</u>		
Butt Length, mm	27	26
FTC Tar, mg/cig.t.	13.1	13.6
TPM, mg/cig.t.	15.9	16.5
Nicotine, mg/cig.t.	0.66	0.81
Water, mg/cig.t.	2.1	2.1
Puffs/cig.t.	8.2	7.9
Filtration Eff., %	46	46
<u>Cigarette</u>		
Total RTD, in. of H ₂ O	4.9	4.8
mm of H ₂ O	124	122
Static Burn. Time, min.	6.4	6.8
Length, mm	84.4	84.0
Circumference, mm	24.9	25.0
Diameter, mm	7.9	8.0
<u>Paper</u>		
Porosity, sec.	19	14
<u>Filter</u>		
RTD, in. of H ₂ O	2.8	2.9
mm of H ₂ O	71	74
Length, mm	20.0	18.9
Weight, g	0.14	0.13
Tipping paper length, mm	24	23
<u>Filler</u>		
Total alkaloids, %	1.24	1.37
Total reducing sugars, %	4.8	6.3
Wt. of tob., 1,000 cigts., g	766	706
1,000 cigts., lbs.	1.6868	1.5548
Rod Density, g/cc	0.241	0.218
C.V., cc/10 g	38	40
C.V., cc/10 g (Corrected to 12% O.V.)	42	40
Oven Volatiles, %	13.4	12.0
<u>Menthol, mg/cig.t.</u>		
Smoke	0.34	0.39
Filler	1.3	1.8
Filter	0.8	0.9

¹Equilibrated at 75°F and 60% R.H. for 48 hrs.

2004054051